

INVERSE HALFTONING PROCESS

ABSTRACT

Performing inverse halftoning on a halftoned image
5 includes smoothing the halftoned image using a two-dimensional
filter to produce a smoothed image, detecting edge areas in
the smoothed image, performing lowpass filtering on non-edge
areas of the smoothed image, and generating an enhanced image
comprised of the edge areas of the smoothed image and lowpass-
10 filtered non-edge areas of the smoothed image.

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